



Clean
Energy
Systems

Clean Energy Systems

Power without pollution

www.cleanenergysystems.com

16th NREL Industry Growth Forum

Austin, TX

November 17-19, 2003



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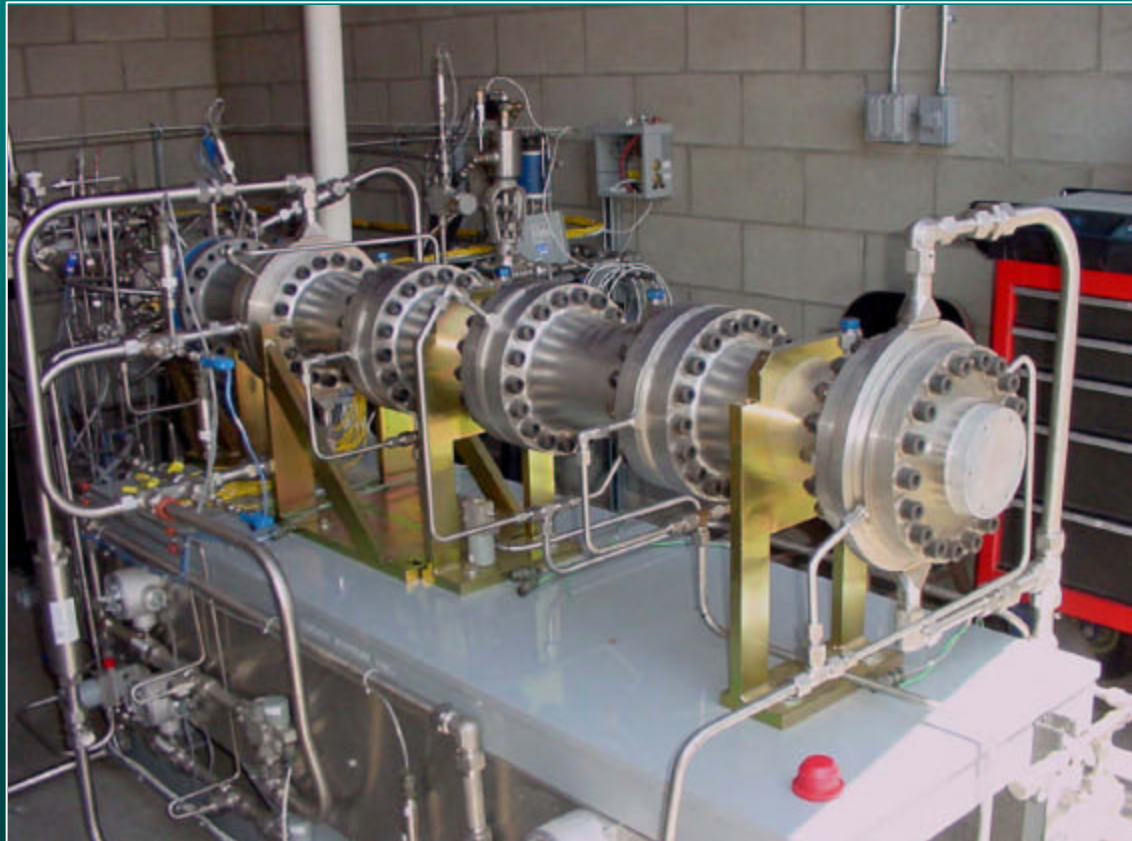
Clean Energy Systems, Inc. (CES)

- Low-cost zero-emission electricity generation technology.
- Technology transfer - aerospace proven.
- Fifteen patents issued - and manufacturing capability.
- A 10 MW gas generator built and tested
- First power plant slated for operation in 2004. A 5 MW biomass unit.



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Unique Factors

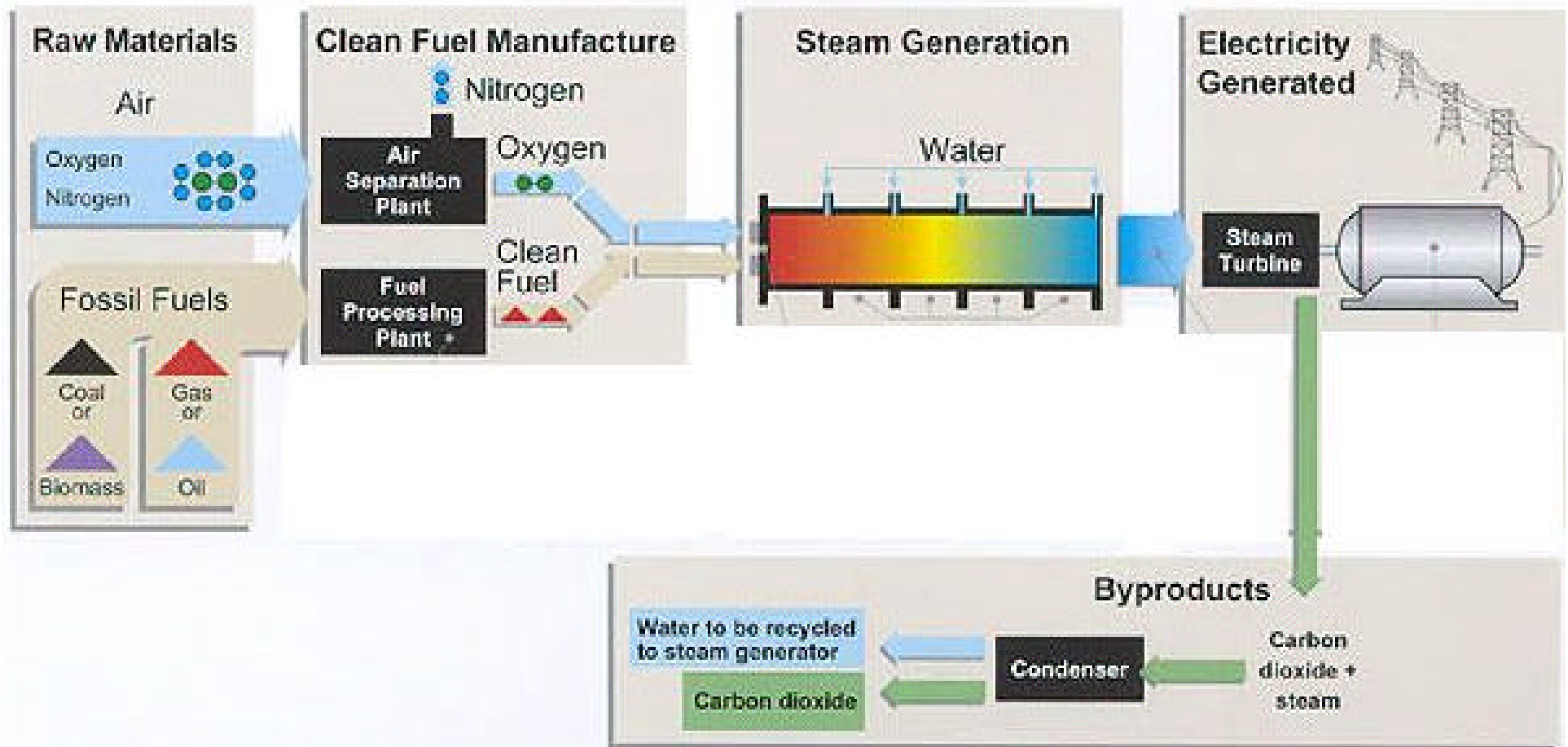


- Zero Emission
- Renewables – negative carbon cycle
- Fossil fuel = clean energy
- Base Load
- Scalability
- Speed to Market
- Fuel Cell Compatible
- Not Capital Intensive



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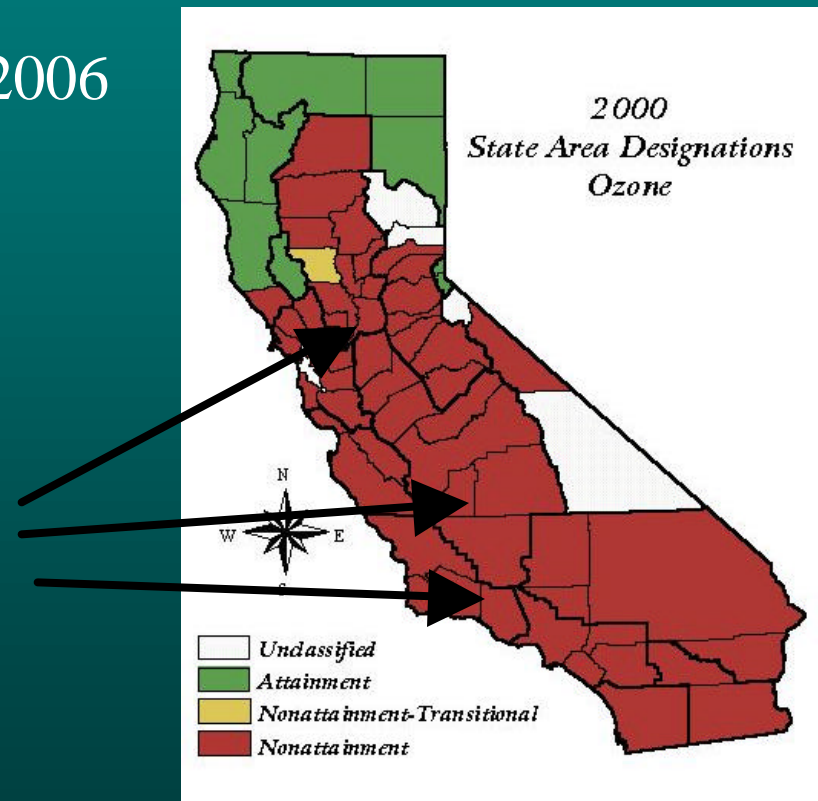
Zero-Emission Power Plants



Market Opportunities

Short-Term: Niche market linked to premium pricing & CO₂ sales

- U.S. Clean Energy Market > \$2 billion/yr
- CES objective: \$29 million thru 2006



Long-Term: Advanced Turbines → Lowest Cost Electricity

- Global market ~ \$150 billion annually



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Customers

- Initially Sell Gas Generators into power plants
- Ultimately License to Power Equipment Manufacturers





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Competitors

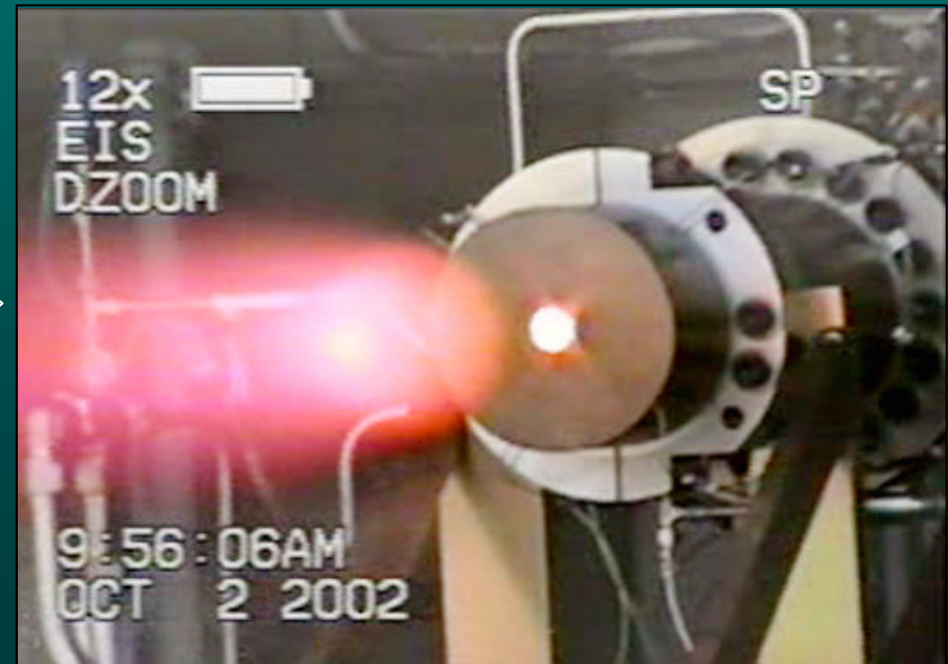
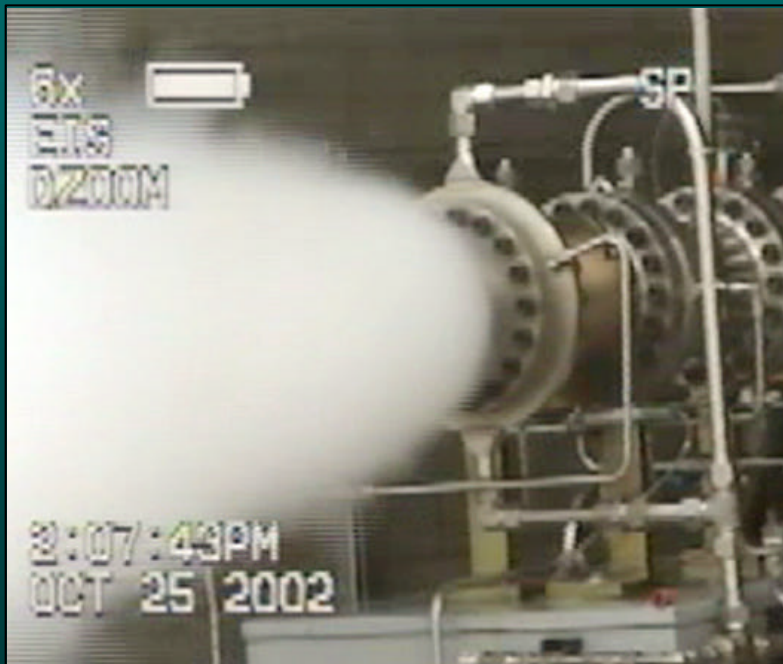
Short Term-Green & Clean

- Renewables
 - Wind, Solar, Biomass
- Fuel Cells
- Microturbines

Long Term

Combined Cycle Plants

- Gas Fired
- Coal Gasification



Management Team

- **CEO** - Senior power sector developer - successful track record at Tractebel and AES
- **President** - Attorney / Director with NASA and Aerojet
- **CTO and Board of Fellows--Real Rocket Scientists**
- **Board Members:** Former CEO of Aerojet; AES Vice President
- **Advisory Board** – Leaders from industry, government, and environmental community.
- 10 Employees, drawing on 10 – 20 consultants



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For more information contact:

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